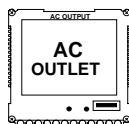


DC TO AC POWER INVERTER 150W-USB

DC12V to AC220V~240V Instruction Manual

Please read user manual before use.



USEFUL APPLICATIONS

RUN Notebook Computers, Radios, Small TVs, DVD Players, Lamps, Fans etc.

SPECIFICATION

INPUT VOLTAGE RANGE : DC 10~15V (12V)

INPUT FULL LOAD CURRENT : 15A (12V)

STANDBY INPUT CURRENT : <0.4A (12V)

USB PORT : OUTPUT 5VDC (2.1A MAX.)

OUTPUT VOLTAGE (AC) : 220V~240V

OUTPUT WAVEFORM : MODIFIED SINEWAVE

OUTPUT FREQUENCY : 50Hz

CONTINUE OUTPUT POWER : 150W

PEAK OUTPUT POWER : 450W

EFFICIENCY : 90%

BATTERY LOW PRE-ALARM : $11 \pm 0.5V$ (12V)

BATTERY LOW SHUTDOWN : $10 \pm 0.5V$ (12V)
(WILL SHUTDOWN 6 SECONDS LATER)

THERMAL PROTECT : $60 \pm 5^{\circ}C$ (MICROCONTROLLER)

OVERLOAD PROTECT : YES (MICROCONTROLLER)

OUTPUT SHORT PROTECT : YES (MICROCONTROLLER)

BATTERY EX. 12V PROTECT : YES (MICROCONTROLLER)

BATTERY POLARITY PROTECT : YES (BY FUSE)

FUSE : 15A*1PC (12V)

DIMENSIONS (L*W*H) mm : 100*73*73

WEIGHT : 560g

SUBSTANCE

TROUBLESHOOTING

IF THE INVERTER DOES NOT APPEAR TO BE FUNCTIONING PROPERLY, THERE ARE SEVERAL POSSIBLE REASONS WHY.

1) POOR CONTACT

*CLEAN CONTACT PARTS THOROUGHLY.

2) RECEPTACLE HAS NO POWER

*CHECK FUSE, REPLACE DAMAGED FUSE.

*CHECK RECEPTACLE WIRING. REPAIR IF NECESSARY

3) FUSE IS BLOWN

*THE FUSE IS LOCATED INSIDE THE DC PLUG. REPLACE FUSE WITH A FUSE OF EQUIVALENT VALUE.

4) OVERLOAD CAUSED AC OUTPUT REDUCTION

*REDUCE THE WATTAGE OF YOUR LOAD TO LOWER THAN 150 WATTS.

5) THERMAL CAUSED AC OUTPUT REDUCE

*UNDER HEAVY LOADS FOR EXTENDED PERIODS OF TIME, THE AC INVERTER WILL REDUCE OUTPUT TO PREVENT DAMAGE FROM EXCESS HEAT. IF THIS HAPPENS, PLEASE PROCEED AS BELOW :

(A) SWITCH OFF THE POWER SWITCH ON THE INVERTER.

(B) DECREASE LOAD OF THIS MACHINE I. E. DISCONNECT SOME OF THE APPLIANCES OR WAIT UNTIL THIS INVERTER HAS BECOME COOL.

(C) SWITCH ON THE POWER OF THE INVERTER.

6) LOW-BATTERY SHUTDOWN

*RECHARGE YOUR BATTERY AND RESUME OPERATION.

CAUTION

ALWAYS PLACE THE INVERTER IN AN ENVIRONMENT WHICH IS:

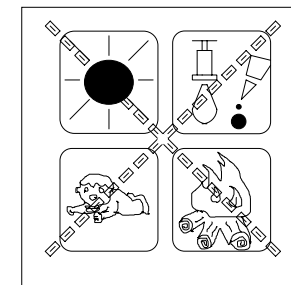
(A) WELL VENTILATED

(B) NOT EXPOSED TO DIRECT SUNLIGHT OR HEAT SOURCE

(C) OUT OF REACH FROM CHILDREN

(D) AWAY FROM WATER/MOISTURE, OIL OR GREASE

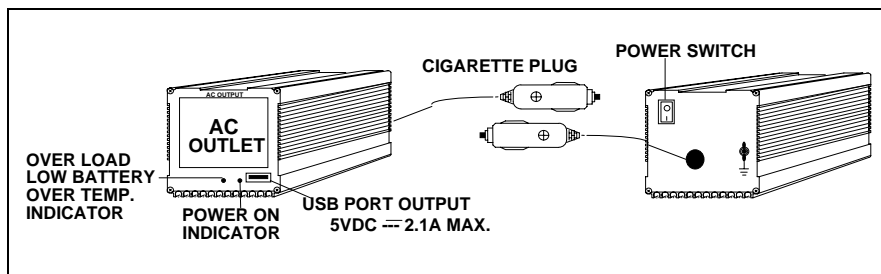
(E) AWAY FROM ANY FLAMMABLE



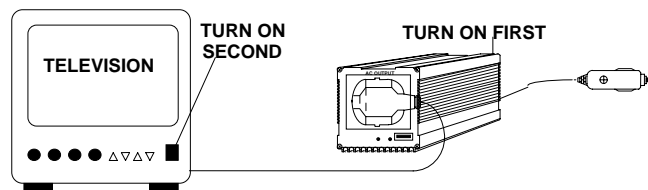
WEEE Directive & Product Disposal



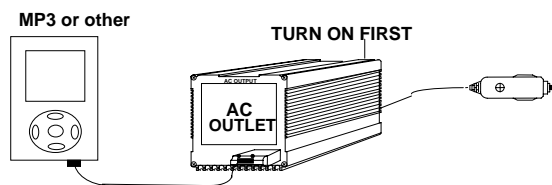
At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal



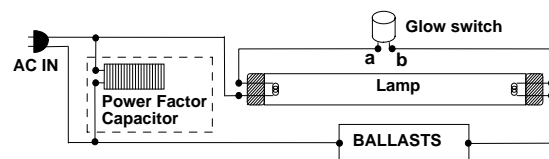
WHEN CONNECTED TO ANY APPLIANCE, BE SURE TO TURN ON INVERTER FIRST. AND THEN TURN ON THE POWER SWITCH OF THE APPLIANCE.



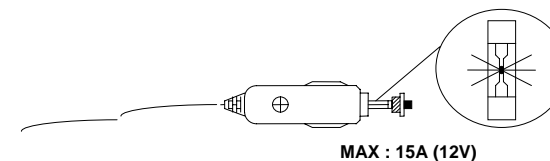
WHILE USING USB PORT: OUTPUT 5VDC (2.1A MAX) FOR CHARGING, PLEASE TURN ON THE SWITCH OF THE INVERTER FIRST, THEN CONNECT THE USB WIRE TO THE ELECTRONIC APPLIANCE NEEDED TO BE CHARGED.



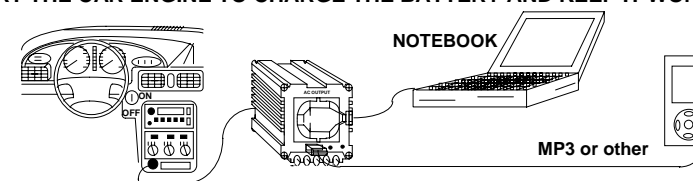
WARNING FLUORESCENT LAMP
DO NOT USE THIS DEVICE WITH FLUORESCENT LAMPS.



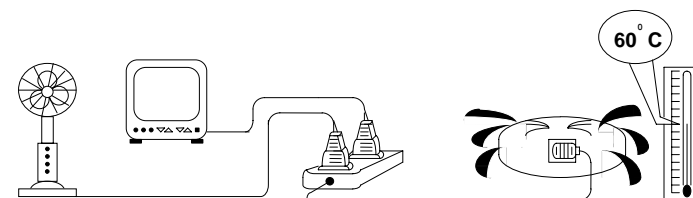
DURING OPERATION, WHEN THE POWER SWITCH IS ON, IF THE POWER INDICATOR IS NOT LIT, PLEASE CHECK THE FUSE IN THE CIGARETTE PLUG. IF THE FUSE IS BLOWN, REPLACE WITH A FUSE OF THE SAME RATING (15A)



WHEN YOU HEAR THE PRE-ALARM SOUND FOR LOW BATTERY, PLEASE RE-START THE CAR ENGINE TO CHARGE THE BATTERY AND KEEP IT WORKING.



IF THE TOTAL WATTS OF ELECTRICAL APPLIANCES EXCEEDS THE OUTPUT CAPACITY OF THE INVERTER. OR AFTER OPERATING FOR A PERIOD OF TIME. IF THE TEMPERATURE OF THE INVERTER REACHES 60° C, THE INVERTER SHALL REDUCE THE AC OUTPUT BY THE PROTECTION CIRCUIT.



WARNING SIGNAL

Condition	Warning signal cycle	Shutdown signal cycle
Low battery alarm:	BI BI BI (pause)	BEE BEE BEE (pause)
Over heating alarm:	BI BI (pause)	BEE BEE (pause)
Over load alarm:	BI BI BI BI BI BI	Continuous tone
Note: BI is a short beep, and BEE is a longer beep.		